

1642

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/230,111C

DATE: 03/09/2001  
 TIME: 12:12:21

Input Set : A:\48962apl.app  
 Output Set: N:\CRF3\03092001\I230111C.raw

RECEIVED  
 MAR 22 2001  
 TECH CENTER 1600/2900  
 ENTERED

3 <110> APPLICANT: Sato, Taka-Aki  
 4 Yanagisawa, Junn  
 6 <120> TITLE OF INVENTION: COMPOUNDS THAT INHIBIT INTERACTION BETWEEN  
 7 SIGNAL-TRANSDUCING PROTEINS AND THE GLGF (PDZ/DHR)  
 8 DOMAIN AND USES THEREOF  
 10 <130> FILE REFERENCE: 48962-A-PCT-US  
 12 <140> CURRENT APPLICATION NUMBER: 09/230,111C  
 13 <141> CURRENT FILING DATE: 1999-05-17  
 15 <160> NUMBER OF SEQ ID NOS: 33  
 17 <170> SOFTWARE: PatentIn Ver. 2.1  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 4  
 21 <212> TYPE: PRT  
 22 <213> ORGANISM: Artificial Sequence  
 24 <220> FEATURE:  
 25 <223> OTHER INFORMATION: Description of Artificial  
 26 Sequence:source:synthesized  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: SITE  
 30 <222> LOCATION: (1)  
 31 <223> OTHER INFORMATION: Xaa=Gly, Ser, Ala or Glu  
 33 <220> FEATURE:  
 34 <221> NAME/KEY: SITE  
 35 <222> LOCATION: (4)  
 36 <223> OTHER INFORMATION: Xaa=Phe, Ile or Leu  
 38 <400> SEQUENCE: 1  
 W--> 39 Xaa Leu Gly Xaa  
 40 1  
 43 <210> SEQ ID NO: 2  
 44 <211> LENGTH: 9  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Artificial Sequence  
 48 <220> FEATURE:  
 49 <223> OTHER INFORMATION: Description of Artificial  
 50 Sequence:source:synthesized  
 52 <220> FEATURE:  
 53 <221> NAME/KEY: SITE  
 54 <222> LOCATION: (1)  
 55 <223> OTHER INFORMATION: Xaa=Lys, Arg or Gln  
 57 <220> FEATURE:  
 58 <221> NAME/KEY: SITE  
 59 <222> LOCATION: (2)..(5)  
 60 <223> OTHER INFORMATION: Xaa=any amino acid, up to 2 Xaa may be missing  
 62 <220> FEATURE:  
 63 <221> NAME/KEY: SITE  
 64 <222> LOCATION: (6)  
 65 <223> OTHER INFORMATION: Xaa=Gly, Ser, Ala or Glu

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/230,111C  
 DATE: 03/09/2001  
 TIME: 12:12:21

Input Set : A:\48962apl.app  
 Output Set: N:\CRF3\03092001\I230111C.raw

```

67 <220> FEATURE:
68 <221> NAME/KEY: SITE
69 <222> LOCATION: (9)
70 <223> OTHER INFORMATION: Xaa=Phe, Ile or Leu
72 <400> SEQUENCE: 2
W--> 73 Xaa Xaa Xaa Xaa Xaa Xaa Leu Gly Xaa
74 1 5
77 <210> SEQ ID NO: 3
78 <211> LENGTH: 4
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial
84 Sequence:source:synthesized
86 <400> SEQUENCE: 3
87 Ser Leu Gly Ile
88 1
91 <210> SEQ ID NO: 4
92 <211> LENGTH: 3
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial
98 Sequence:source:synthesized
100 <220> FEATURE:
101 <221> NAME/KEY: SITE
102 <222> LOCATION: (1)
103 <223> OTHER INFORMATION: Xaa=Ser or Thr
105 <220> FEATURE:
106 <221> NAME/KEY: SITE
107 <222> LOCATION: (2)
108 <223> OTHER INFORMATION: Xaa=any one amino acid
110 <220> FEATURE:
111 <221> NAME/KEY: SITE
112 <222> LOCATION: (3)
113 <223> OTHER INFORMATION: Xaa=Val, Ile or Leu
115 <400> SEQUENCE: 4
W--> 116 Xaa Xaa Xaa
117 1
120 <210> SEQ ID NO: 5
121 <211> LENGTH: 15
122 <212> TYPE: PRT
123 <213> ORGANISM: human
125 <400> SEQUENCE: 5
126 Asp Ser Glu Asn Ser Asn Phe Arg Asn Glu Ile Gln Ser Leu Val
127 1 5 10 15
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 15
132 <212> TYPE: PRT

```

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/230,111C  
 DATE: 03/09/2001  
 TIME: 12:12:21

Input Set : A:\48962apl.app  
 Output Set: N:\CRF3\03092001\I230111C.raw

```

133 <213> ORGANISM: rat
135 <400> SEQUENCE: 6
136 Ser Ile Ser Asn Ser Arg Asn Glu Asn Gly Gln Ser Leu Glu
137   1           5           10           15
140 <210> SEQ ID NO: 7
141 <211> LENGTH: 15
142 <212> TYPE: PRT
143 <213> ORGANISM: mouse
145 <400> SEQUENCE: 7
146 Ser Thr Pro Asp Thr Gly Asn Glu Asn Gly Gln Cys Leu Glu
147   1           5           10           15
150 <210> SEQ ID NO: 8
151 <211> LENGTH: 4
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial
157     Sequence:source:synthesized
159 <400> SEQUENCE: 8
160 Glu Ser Leu Val
161   1
164 <210> SEQ ID NO: 9
165 <211> LENGTH: 6
166 <212> TYPE: PRT
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence:
171     source:synthesized
173 <400> SEQUENCE: 9
174 Thr Ile Gln Ser Val Ile
175   1           5
178 <210> SEQ ID NO: 10
179 <211> LENGTH: 8
180 <212> TYPE: PRT
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial
185     Sequence:source:synthesized
187 <400> SEQUENCE: 10
188 Arg Gly Phe Ile Ser Ser Leu Val
189   1           5
192 <210> SEQ ID NO: 11
193 <211> LENGTH: 8
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial
199     Sequence:source:synthesized
201 <400> SEQUENCE: 11

```

## RAW SEQUENCE LISTING

DATE: 03/09/2001

PATENT APPLICATION: US/09/230,111C

TIME: 12:12:21

Input Set : A:\48962apl.app

Output Set: N:\CRF3\03092001\I230111C.raw

```

202 Arg Glu Thr Ile Glu Ser Thr Val
203   1           5
206 <210> SEQ ID NO: 12
207 <211> LENGTH: 11
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial
213     Sequence:source:synthesized
215 <400> SEQUENCE: 12
216 Gln Asn Phe Arg Thr Tyr Ile Val Ser Phe Val
217   1           5           10
220 <210> SEQ ID NO: 13
221 <211> LENGTH: 13
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial
227     Sequence:source:synthesized
229 <400> SEQUENCE: 13
230 Ser Asp Ser Asn Met Asn Met Asn Glu Leu Ser Glu Val
231   1           5           10
234 <210> SEQ ID NO: 14
235 <211> LENGTH: 15
236 <212> TYPE: PRT
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial
241     Sequence:source:synthesized
243 <400> SEQUENCE: 14
244 Pro Pro Thr Cys Ser Gln Ala Asn Ser Gly Arg Ile Ser Thr Leu
245   1           5           10           15
248 <210> SEQ ID NO: 15
249 <211> LENGTH: 15
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Description of Artificial
255     Sequence:source:synthesized
257 <400> SEQUENCE: 15
258 Ile Asp Leu Ala Ser Glu Phe Leu Phe Leu Ser Asn Ser Phe Leu
259   1           5           10           15
262 <210> SEQ ID NO: 16
263 <211> LENGTH: 15
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Description of Artificial
269     Sequence:source:synthesized

```

RAW SEQUENCE LISTING                      DATE: 03/09/2001  
 PATENT APPLICATION: US/09/230,111C        TIME: 12:12:21

Input Set : A:\48962apl.app  
 Output Set: N:\CRF3\03092001\I230111C.raw

```

271 <400> SEQUENCE: 16
272 Asp Ser Glu Met Tyr Asn Phe Arg Ser Gln Leu Ala Ser Val Val
273   1               5               10               15
276 <210> SEQ ID NO: 17
277 <211> LENGTH: 15
278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Description of Artificial
283     Sequence:source:synthesized
285 <400> SEQUENCE: 17
286 Ile Pro Pro Asp Ser Glu Asp Gly Asn Glu Glu Gln Ser Leu Val
287   1               5               10               15
290 <210> SEQ ID NO: 18
291 <211> LENGTH: 4
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Description of Artificial
297     Sequence:source:synthesized
299 <400> SEQUENCE: 18
300 Gln Ser Leu Val
301   1
304 <210> SEQ ID NO: 19
305 <211> LENGTH: 5
306 <212> TYPE: PRT
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence:source
311     synthesized
313 <400> SEQUENCE: 19
314 Ile Gln Ser Leu Val
315   1               5
318 <210> SEQ ID NO: 20
319 <211> LENGTH: 6
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial
325     Sequence:source:synthesized
327 <400> SEQUENCE: 20
328 Glu Ile Gln Ser Leu Val
329   1               5
332 <210> SEQ ID NO: 21
333 <211> LENGTH: 7
334 <212> TYPE: PRT
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: Description of Artificial

```

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/230,111C

DATE: 03/09/2001  
TIME: 12:12:22

Input Set : A:\48962apl.app  
Output Set: N:\CRF3\03092001\I230111C.raw

L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:1623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:1652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:1671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33